

**SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS
STANDARDS FOR PREPARATION OF
“AS-BUILT DRAWINGS” FOR SEWER CONSTRUCTION**

General Requirements

1. Plan and profile on 4 Mil Mylar, prepared and sealed by a New York State Licensed Land Surveyor or Professional Engineer under the supervision and approval of the project-consulting engineer.
2. Any disclaimer concerning information supplied by a contractor is unacceptable.
3. The plan and profile shall be clearly marked “as-builts.”
4. A key map tying in the project to a major road intersection.
5. All property lines, lot numbers and section numbers shall be shown.
6. *Preliminary As-Builts: Submit two (2) preliminary as-builts indicating mainline distances, invert elevations, and slopes to the nearest hundredth to allow final house connection tie-ins, also show water main, water service, and drainage within 20’ of sewer locations. (Clearly indicate PRELIMINARY AS-BUILT).*
7. *Final As-Builts: (Clearly indicate FINAL AS-BUILT), submit two (2) paper prints of plan and profile to be submitted that also show water main and water service locations. One (1) print will be returned indicating any necessary corrections. When paper prints are approved, submit one (1) Mylar and, include one (1) AutoCAD drawings on CD (AutoCAD 14 or higher). CAD Drawings to include all identical information shown on Mylar As-Builts. All CAD drawings must be projected in NAD 83 State Plane Feet.*
8. Size of plans and scales to be same as approved engineering drawings.
9. All sheets of the approved design drawings must be as-builted and sealed by *either a L.L.S., P.E., or R.A.*

Specific Requirements

All Items to be shown on plan view. Applicable items to be shown on profile.

1. All stationing shall be along centerline of sewer lines.
2. Begin stationing at major street intersections.
3. Station continuously along centerline of sewer lines.
4. Stationing of branch lateral lines off of mainline shall begin at intersection manhole with an equality station, and branch line stationing shall carry a letter designation i.e.,

Mainline --- 2 + 90 = 0 + 00 (A) --- Branchline

5. The intercept of the street lateral sewer and the house connection shall be stationed. The intersection of the house connection and the property line shall be referenced by right angle offset and stationed. When the house connection terminates at the eight bend, the terminus shall be referenced by "cross-cornering" from the foundation. The length of all house connections shall be indicated.
6. Indicate outline of existing foundations.
7. Number manholes corresponding with approved engineering drawings.
8. All elevations shall be in the U.S.C. and G.S. 1929 datum and so stated.
9. Indicate north on plans.
10. Indicate elevations of all inverts for manholes and rims. Inverts should be designated by W., E., S., and N.
11. Indicate elevations of inverts of house connections at street lateral sewer and at property line. Where risers are installed, indicate invert of riser section. Note: Property line (curbline) elevations are to be physically obtained by surveyor/engineer before house connections is backfilled by contractor.
12. Indicate diameter, class and type of pipe for each lateral section.
13. Indicate, by note, diameter and class of house connections.
14. Indicate distance between manholes, percent of slope and direction of flow.
15. *Indicate size and locations of all water mains and water laterals. Indicate size and location of all storm water piping, storm water structures, utilities, etc., that are within 20' of sewers or cross a sewer pipe. Provide crossing invert elevation of each when crossing any sewer piping.*

Rev. 9-5-00
Rev. 2-24-04
Rev. 3-19-04
Rev. 8-12-04
Rev. 8-08-06
Rev. 1-8-07
Rev. 1-29-07
Rev. 9-17-12